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| Application Number | 09,889,321 |
| Filing Date | July 13, 2001 |
| First Named Inventor | Yousuke TAKAHAMA |
| Group Art Unit | 1632 |
| Examiner Name | A. Wehbe |
| Attorney Docket Number | 31671-173265 |

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| Sheet | 1 | of | 3 |
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|---------------------|-----------------------|--|----------------|
| | AD | YASUFUMI KANEDA et al., "Introduction and Expression of the Human Insulin Gene in Adult Rat Liver", <u>The Journal of Biological Chemistry</u> , July 25, 1989, pp. 12126-12129, Vol. 264, No. 21, The American Society for Biochemistry and Molecular Biology, Inc., U.S.A. | |
| | AE | KEIKO KATO et al., "Expression of Hepatitis B Virus Surface Antigen in Adult Rat Liver", <u>The Journal of Biological Chemistry</u> , July 25, 1991, pp. 3361-3364, Vol. 266, No. 6, The American Society for Biochemistry and Molecular Biology, Inc., U.S.A. | |
| | AF | NARUYA TOMITA et al., "Direct In Vivo Gene Introduction into Rat Kidney", <u>Biochemical and Biophysical Research Communications</u> , July 15, 1992, pp. 129-134, Vol. 186, No. 1, Academic Press, Inc. | |
| | AG | NARUYA TOMITA et al., "Hypertensive Rats Produced by In Vivo Introduction of the Human Renin Gene," Department of Geriatric Medicine, Osaka, Japan, <u>Circulation Research</u> , Vol. 73, No. 5, November 1993, pp. 898-905 | |
| | AH | YASUFUMI KANEDA et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," <u>Science</u> , Vol. 243, January 20, 1989, pp. 375-378 | |
| | AI | Ryuichi Morishita et al., "Evidence for Direct Local Effect of Angiotensin in Vascular Hypertrophy," <u>J. Clin. Invest.</u> , Vol. 94, September 1994, pp. 978-984 | |
| | AJ | Tessa Crompton et al., "The MAP Kinase Pathway Controls Differentiation from Double-Negative to Double-Positive Thymocyte", <u>Cell</u> , July 26, 1996, pp. 243-251, Vol. 86, Cell Press | |
| | AK | A.M.P. BEHARA et al., "Intrathymic Implants of Genetically Modified Fibroblasts," <u>The FASEB Journal</u> , Vol. 6, July 1992, pp. 2853-2858 | |
| | AL | Ronald P. DEMATTEO et al., "Gene Transfer to the Thymus" <u>Annals of Surgery</u> , 1995, pp. 229-242, Vol. 222, No. 3, Lippincott-Raven Publishers | |
| | AM | Yaron Ilan et al., "Induction of Central Tolerance by Intrathymic Inoculation of Adenoviral Antigens into the Host Thymus Permits Long-Term Gene Therapy in Gunn Rats," <u>J. Clin. Invest.</u> , Vol. 98, No. 11, December 1996, pp. 2640-2647 | |
| | AN | Takehiko Sugawara et al. "An Improved Retroviral Gene Transfer Technique Demonstrates Inhibition of CD4-CD8-thymocyte Development by Kinase-Inactive ZAP-70", <u>The Journal of Immunologists</u> , 1998, pp 2888-2894, Vol. 161, <u>The American Association of Immunologists</u> | |

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| | AO | TAKEHIKO SUGWARA et al., "Differential Roles of ERK and p38 MAP Kinase Pathways in Positive and Negative Selection of T Lymphocytes", <u>Immunity</u> , October 1998, pp. 565-574, Vol. 9, Cell Press | |
| | AP | YUTAKA HANAZONO et al., "In Vivo Marking of Rhesus Monkey Lymphocytes by Adeno- Associated Viral Vectors: Direct Comparison With Retro Viral Vectors", <u>Blood</u> , October 1, 1999, pp. 2263-2270, Vol. 94 No 7 | |
| | AQ | JIE GU et al., "A Murine Model For Genetic Manipulation Of The T Cell Compartment", <u>Experimental Hematology</u> , 1996, pp. 1432-1440, Vol. 24 | |
| | AR | SANJAI SHARMA et al., "Efficient Infection Of A Human T-Cell Line And Of Human Primary Peripheral Blood Leukocytes With A Pseudotyped Retrovirus Vector", October 1996, pp. 11842-11847, Vol. 93, Proc. Natl. Acad. Sci. USA | |
| | AS | GREGORY L. EVANS et al., "Genetic Induction Of Immune Tolerance To Human Clotting Factor VIII in a Mouse Model For Hemophilia A", May 1998, pp. 5734-5739, Vol. 95, Proc. Natl. Acad. Sci. USA | |
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